

Claims

1. A safety connection intended for suspending objects, for instance curtain rails, rods, towel racks and the like, the safety connection (2) comprising at least one first (3) and one second (4) retaining element, the one retaining element (3; 4) after mounting, being coupled to the object (1) to be
5 suspended, while the other retaining element (4; 3) after mounting, is connected to an environment, the first (3) and second (4) retaining element being detachably connected to each other such that, under the influence of a particular tensile force (F) applied to those elements (3, 4), these retaining elements (3, 4) disconnect, characterized in that the second retaining element
10 (4) is provided with at least one resilient lip (5), while the first and second retaining elements (3, 4) are arranged to cooperate via that at least one resilient lip (5) for effecting said detachable coupling of the retaining elements (3, 4).
2. A safety connection according to claim 1, characterized in that the at
15 least one resilient lip (5) is an integral part of the second retaining element (4).
3. A safety connection according to claim 1 or 2, characterized in that, after mounting, the at least one resilient lip (5) extends, on average, in a direction including an angle (γ) with a vertical plane in the range of approximately 10 - 45°.
- 20 4. A safety connection according to claim 3, characterized in that the at least one resilient lip (5), after mounting, extends, on average, in a direction including an angle (γ) with a vertical plane in the range of approximately 15° - 30°.

5. A safety connection according to any one of the preceding claims, characterized in that the at least one resilient lip (5) is manufactured from plastic.

6. A safety connection according to any one of the preceding claims,
5 characterized in that a front end (7) of the at least one resilient lip (5) of the second retaining element (4) touches a slide-off surface (6) of the first retaining element (3).

7. A safety connection according to claim 6, characterized in that said front lip end (7) comprises a sliding surface (8) which is substantially parallel
10 to at least the part of said slide-off surface (6) of the first retaining element (3).

8. A safety connection according to claim 6 or 7, characterized in that said slide-off surface (6) of the first retaining element (3), after mounting, viewed in vertical cross section, includes an angle (α) with a vertical plane in the range of 45 - 70°.

15 9. A safety connection according to claim 8, characterized in that said angle (α) is in the range of 60 - 70°.

10. A safety connection according to any one of the preceding claims, characterized in that the first retaining element (3), after mounting, extends at least partly through a substantially vertical passage (9) of the second retaining
20 element (4).

11. A safety connection according to claim 10, characterized in that the first retaining element (3) is provided with a widened head (10) located, after mounting, above said passage (9), which head (10) touches a part, such as the front end (7) of the at least one resilient lip (5) of the second retaining element
25 (4).

12. A safety connection according to at least claims 6 and 11, characterized in that the widened head (10) of the first retaining element (3) is provided with said slide-off surface (6).

13. A safety connection according to at least claim 10, characterized in that the second retaining element (4) is provided with a number of resilient lips (5) extending obliquely towards each other for forming a constriction of said passage (9) of the second retaining element (4).

5 14. A safety connection according to any one of the preceding claims, characterized in that the first and second retaining elements (3, 4) are each of rotation-symmetrical design relative to a an axis (17) of symmetry, which is vertical, at least after mounting.

15 15. A safety connection according to any one of the preceding claims, characterized in that the retaining element (4) connected to the environment is mounted in a tube or pendant (12) having an inside diameter of less than 2 cm.

16. A safety connection according to claim 15, characterized in that said tube or pendant (12) has a diameter in the range of 10 – 15 mm.

15 17. A curtain rail system, provided with at least one safety connection according to any one of the preceding claims.

18. A safety connection for coupling objects, for instance rails, rods, towel racks and the like, to an environment such as a ceiling and/or a wall, characterized in that the connecting device (30) is provided with at least one safety connection according to any one of claims 1 – 16.

20 19. A connecting device according to claim 18, characterized in that the connecting device (30) is designed for supporting an upper side of the object (1) to be coupled to the environment at a front end (108).